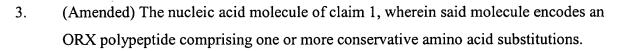


- 181 actgttcaaa atttcatgca atggtccatc tattaacgca ctaataatat ttatttttgg
- 241 tgettttata caaataecea etttaatgae tateataate tettataete gtgtgetett
- 301 tgatattetg aaaaaaaagt etgaaaaggg cagaagcaaa geetteteea catgeggege
- 361 ccatctgctt tctgtctcat tgtactacgg aactctgatc ttcatgtatg tgcgtcctgc
- 421 atetggetta getgaagace aagacaaagt gtattetetg ttttacaega ttataattee
- 481 cctgcta (SEQ ID NO:224).

## In the claims:

Please cancel claims 9, 10 and 12-20, amend claims 1-5 and 11 and replace the pending claims with the following:

- 1. (Amended) An isolated nucleic acid molecule encoding an olfactory receptor (ORX) polypeptide, wherein said molecule comprises a nucleotide sequence of SEQ ID NO:224 or a complement thereof.
- 2. (Amended) The nucleic acid molecule of claim 1, wherein said molecule hybridizes under stringent hybridization conditions to a nucleic acid sequence complementary to an ORX nucleic acid molecule comprising SEQ ID NO:224 or a complement thereof.



- 4. (Amended) The nucleic acid molecule of claim 1, wherein said molecule encodes an ORX polypeptide, or a complement thereof.
- 5. (Amended) An oligonucleotide of less than 100 nucleotides in length, which comprises at least 6 contiguous nucleotides of the ORX nucleic acid molecule of claim 1, or a complement thereof.
- 6. A vector comprising the nucleic acid molecule of claim 1.
- 7. The vector of claim 6, wherein said vector is an expression vector.
- 8. The vector of claim 6, further comprising a regulatory element operably linked to said nucleic acid molecule.
- 11. (Amended) A method of producing the polypeptide of claim 3, said method comprising the step of culturing a host cell under conditions in which the nucleic acid molecule is expressed.

